

APPENDIX M

PRIVATE IP (LAYER 2/3 VPN) REGISTRATION IN SNAP

Private IP Service – Unclassified – Description

The DISN Private IP service provides an enterprise-wide solution to all DISN partners with a need to segregate their IP traffic from the traffic of other partners using multi-protocol Label Switching (MPLS) to create Virtual Private Networks (VPNs). The service is offered as a capability provided on the Unclassified IP Router Network (NIPRNet). This service is an IP transport service only, as such, the connection process differs slightly from that normally required for connection to the SBU IP Data Service (NIPRNet). The partner is required to register the VPN, and the connections to it, in the System/Network Approval Process (SNAP) database for tracking. The partner is responsible for ensuring that the appropriate CND capabilities and measures are being performed on the system/network associated with the VPN; based on measures to be provided by the DOD/CIO and/or USCYBERCOM.

Temporary Private IP Service Connection Process

- ♦ The partner will go to the SNAP URL, <https://snap.dod.mil>
- ♦ The partner will request a SNAP account.
- ♦ The CAO will approve the partner's account request.
- ♦ The partner will create a new registration within the NIPR registration module
- ♦ The partner will need to select the connection type "VPN" and then complete all mandatory fields.

NOTE: Until the SNAP database update occurs, there will be multiple data fields that may require a mandatory entry. At this time, the only mandatory inputs required from the partner are the CCSD and POC information, along with the inclusion of the ATO letter and topology diagram.

- ♦ To proceed through the other mandatory fields, an "N/A" entry may be entered, as applicable.
- ♦ The partner will upload current topology, with VPN ID annotated.
- ♦ The partner will upload the ATO, and fill in the ATO expiration date in the appropriate field.
- ♦ The partner will submit registration for CAO approval, and receive an email acknowledging registration of the VPN and associated connections.

Documentation Requirements

The Partner must be able to upload the current topology diagram into SNAP when requesting the VPN. The VPN ID must be annotated on the diagram.

Network Topology Diagram – this diagram depicts the network topology and security posture of the partner IS or network enclave that will be connecting to the DISN. The Network Topology Diagram should:

- ♦ Be dated
- ♦ Clearly delineate accreditation boundaries
- ♦ Identify the CCSDs of all connections to the DISN
- ♦ Identify equipment inventory (to include the most recent configuration including any enclave boundary firewalls, Intrusion Detection Systems (IDS), premise router, routers, switches, backside connections, Internet Protocol (IP) addresses, encryption devices, Cross Domain Solutions (CDS).
- ♦ Other SIPRNet connections (access points) must be shown; the flow of information to, from, and through all connections, host IP addresses, and CCSD number, if known must be shown
- ♦ Identify any other IA or IA-enabled products deployed in the enclave
- ♦ Identify any connections to other systems/networks
- ♦ Identification of other connected IS/enclaves must include:
 - The name of the organization that owns the IS/enclave
 - The connection type (e.g., wireless, dedicated point-to-point, etc.)
 - IP addresses for all devices within the enclave
 - The organization type (e.g., DoD, federal agency, contractor, etc.)
- ♦ Identify Internetworking Operating System (IOS) version
- ♦ Include the model number(s) and IP's of the devices on the diagram; diagram must show actual and planned interfaces to internal and external LANs or WANs (including backside connections)
 - A representative range of workstations and servers must be identified

NOTE: It is important to note that in accordance with DoD and DISA guidance, firewalls and IDSs are required on all partner enclaves. Private IP addresses (non-routable) are not permitted on SIPRNet enclaves. Indicate and label all of the devices, features, or information; minimum diagram size: 8.5" x 11."

The IA and IA-enabled products must be in the DoD UC Approved Products List and can be found at the DISA APLITS web page: <https://aplits.disa.mil>.

SNAP Current Process Limitations

The current SNAP database is being updated to capture the Private IP (VPN) registration requirements. The expected completion is on or about April/May 2012 and will result in an updated process being issued within this document. Until that time, partners are expected to follow the temporary process which is set forth in the paragraphs above.